

ADAPTER TOOL PRODUCTS

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INSTRUCTIONS FOR THE USE OF THE S377 PUSHER*

1. To remove a blower or fan with the hub accessible:*
- A. Set the S377 pusher over the hub of the blower or fan. Turn the four set screws on to the hub, being sure the center shaft of the S377 lines up with the motor shaft. The blower or fan will pull free from the motor shaft when the center shaft is turned.
2. To remove fan blades:*
- A. On all fan blades, the pulley fingers should be hooked under the central portion of the fan in an area having no pitch. If this is not practical, the pitch of the surface should slope toward the tool.
- B. If the fan has an odd number of blades, hook a pair of fingers from one side of the tool, under the fan, on opposite sides of the same blade. Hook one finger from the other side of the tool under the exposed portion of the fan opposite the aforementioned blade. Proceed as stated in section 2D.
- C. If the fan has four blades, hook one finger between each blade. If the fan has two blades, hook each pair of fingers under the fan and spread them apart to allow a wide base for the tool to pull against. Proceed as is stated in section 2D.
- D. Once the fingers are positioned, grip the tool, pressing the fingers inward toward the tool. Shift the tool slightly lining up the center shaft with the motor shaft. It is necessary to hold the fingers in place until the center shaft is positioned and spun tight against the motor shaft.
3. To remove a blower with the hub on the motor side of the blower:*
- A. Remove the pusher fingers. The holes they mount in are offset to allow removal through the open sides of the pusher. Hold the S377 Pusher in place on the blower wheel, in line with the motor shaft. Then make four marks on the center plate of the blower wheel, in line with the holes the fingers set in. Remove the S377. 3/8" holes will be drilled at the places marked. Before drilling, check if there is sufficient clearance allowed for the fingers to miss the hub. Drill four holes where marked. Insert the fingers into the 3/8" holes. Hold the S377 in place and insert the other end of the fingers into the large holes on the tool body. Proceed as stated in 2D.

*In all instances:

- A. Be sure to remove all motor brackets and set screws.
- B. Clean exposed portions of motor shaft with sand cloth. If the motor shaft is scarred in any way that might produce a ridge or high spot, dress it down with a file.
- C. Using a center punch, place an indentation in the end of the motor shaft, as a seat for the corresponding tip on the end of the center shaft of the tool.
- D. Place a few drops of oil, preferably a penetrating oil, on the motor shaft.

For pulling of fan with hi-pitch blades, use Adapter Kit #33.

Transcribed from an original; numbers added to indicate sections. This is the pusher-puller with a square body.